

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 038723.04		APPLICATION NO. Rule 53(b) Div. Application of Application No. 10/026,907 filed December 27, 2001	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT(S) Shinji SHIMADA et al.			
				FILING DATE January 15, 2004		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
<i>JAC</i> ↓		4,991,746	2/12/91	Schultz	222	153.13	
		3,248,022	4/26/99	Schulman	222	153.13	
		4,991,747	2/12/91	Van Brocklin	222	321.3	
		4,930,670	6/5/90	Kuo	222	321.3	
		4,624,413	11/25/86	Corsette	239	333	
		4,133,457	1/9/79	Klassen	222	212	
		3,406,909	11/22/68	Pfeiffer	239	333	
		3,237,571	3/1/66	Balogh	417	513	
		4,057,176	11/8/77	Horvath	222	175	
		3,774,849	11/27/73	Boris	239	338	
<i>JAC</i>		4,065,038	12/27/77	Magers	222	321.9	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
<i>UAC</i> ↓		JP-U-51-86341	07/76	Japan	—	—	
		JP-U-52-95755	07/77	Japan	—	—	
		JP-B2-60-140273	09/85	Japan	—	—	
		JP-61-140273	8/86	Japan	—	—	
		JP-U-179760	12/89	Japan	—	—	
		JP-2-59164	4/90	Japan	—	—	
		JP-U-29466	3/91	Japan	—	—	
		JP-Y2-4-23815	6/92	Japan	—	—	
<i>JAC</i>		JP-Y2-5-47099	12/93	Japan	—	—	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
Patent Abstracts of Japan, vol. 018, No. 325 (M-1625), 21 June 1994 & JP 06 074147 A (Toyo Seikan Kaisha Ltd.), 15 March 1994							
Patent Abstracts of Japan Vol. 013, No. 498 (M-890), 9 November 1989 & JP 01 199862 A (Tada Gijutsu Kenkyusho: KK), 11 August 1989.							
EXAMINER <i>JAC</i>					DATE CONSIDERED 12/6/04		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
<i>JAL</i> ↓ ↓ ↓ <i>JAL</i>		3,583,605	6/8/71	Corsette	222	321.9
		5,447,258	9/95	Suzuki	222	494
		4,071,172	1/1978	Balogh	222	321.7
		5,234,135	8/1993	LaFosse et al.	222	321.2

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
<i>JAL</i> ↓ ↓ ↓ ↓ ↓ ↓ ↓ <i>JAL</i>		EP 0 389 688 A	10/3/90	Europe	—	—
		EP 0 487 412 A	5/27/92	Europe	—	—
		GB 1 414 637 A	11/19/75	Great Britain	—	—
		GB 2 179 406 A	3/4/87	Great Britain	—	—
		WO 93 25319 A	12/23/93	WIPO	—	—
		WO 95 00253 A	1/5/95	WIPO	—	—
		FR 2 054 453 A	4/23/71	France	—	—
		EP 0 486 378 A	5/20/92	Europe	—	—
		GB 1 304 903	1/1973	Great Britain	—	—

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	

EXAMINER <i>JAL</i>	DATE CONSIDERED 12/6/04
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